

OPERATING INSTRUCTIONS FOR CHANGEOVER PANEL



1 CAUTION

In order to avoid risk of personal INJURY or damage to the control equipment, READ THIS MANUAL VERY CAREFULLY. If after reading these instructions doubt exists, do not hesitate to contact Metron-Eledyne for further clarification. In the interests of safety pay special attention to the CAUTION notes listed below:

If work has to be carried out on the changeover panel, ensure the equipment is ISOLATED AND LOCKED OFF from the A.C mains supply before work commences. If possible use a temporary label which draws attention to this fact. Label suggestion: caution ENGINEER WORKING ON EQUIPMENT.

In order to avoid risk of serious electric shock, NEVER energise the panel with the access door open unless absolutely necessary. If the access door to the interior of the panel has to be opened when the panel is energised, BEWARE of the three supplies. This warning cannot be stressed enough.

THROUGHOUT THE TEXT IN TWO COLUMNS FORMAT SECTIONS

The left hand column describes initiative events.

The right hand column describes resultants.

2 CONTROL SYSTEM

Ensure panel connections comply with Eledyne drawing CE1703.

Normal supply voltage below the PFR setting or any phase is lost.

Normal supply contactor opens.

Output supply is interrupted.

After a 5 second delay set by timer T2.

Standby supply contactor C2 closes.

Output supply is restored.

When the normal supply is restored.

Timer T2 resets immediately.

Normal supply contactor opens.

Output supply is interrupted.

After a 5 second delay set by timer T1.

Normal supply contactor C1 closes.

Output supply is restored.

Contactors C1 & C2 are mechanically interlocked.

RECOMMENDED SPARES LIST FOR
CHANGEOVER PANEL:

STANDARD COMPONENTS

STOCK NO.	DESCRIPTION	TYPE	SUPPLIER
19126	RELAY	415 V 4 WIRE	ELTIME
26449	TIMER	0.3 - 10 SEC	ELTIME
09026	FUSE	SIZE O 2 AMP	FARNELL
08812	CONTACTOR	C65-22-230	AUDOLI
08225	INTERLOCK	BM5	AUDOLI
24921	NEUTRAL LINK	NL 250100	

PARTS FOR 15KW CONTROLLER

STOCK NO.	DESCRIPTION	TYPE	SUPPLIER
25044	TERMINAL	SAK 35N	KLIPPON
25045	TERMINAL	TW SAK 35N	KLIPPON
25071	TERMINAL	EWK 1	KLIPPON

PARTS FOR 18KW CONTROLLER

STOCK NO.	DESCRIPTION	TYPE	SUPPLIER
25061	TERMINAL	SAK 7	KLIPPON
25071	TERMINAL	EWK 1	KLIPPON
25044	TERMINAL	SAK 35N	KLIPPON
25045	TERMINAL	TW SAK 35N	KLIPPON